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"Need they [the theoretical astronomers and computers], however, be collected into a single institute? This centralization raises many difficulties, especially the national one of where the institute is to be placed. . . . The striking feature of astronomy is the number of small observatories scattered over the globe, many of them at present doing little good. Cannot these existing resources be used in some way? The work of discussion can often be best done single-handed, and computations can be parcelled out. Some unifying principle or sentiment is perhaps necessary; but it should not be beyond the powers of the *Astronomische Gesellschaft* to supply this, as it has already done in the case of the *Meridian Catalogues of 1875*."

Professor A. OBRECHT has been appointed Director of the Santiago Observatory as successor to the late Dr. RISTENPART.

Prince GALITZIN has become Director of the Observatoire Physique Central Nicolas, St. Petersburg.

MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS OF THE
ASTRONOMICAL SOCIETY OF THE PACIFIC HELD ON NOVEMBER
29, 1913, AT 2:00 P. M., IN THE ROOMS OF THE
SOCIETY, 752 PHELAN BUILDING, SAN FRANCISCO.

There were present Vice-President R. G. AITKEN and Directors C. S. CUSHING, R. T. CRAWFORD, S. D. TOWNLEY, J. COSTA, A. J. MARKWART, F. V. CORNISH, and D. S. RICHARDSON. The proxy of Director GEO. E. HALE was held by Vice-President AITKEN.

The principal business before the meeting was the award of the Bruce Medal for the year 1914, announcement of which will be made later.

The attention of the Board was directed to the fact that Berlin, one of the nominating observatories under the Bruce Medal statutes, had failed for several years to make any nominations and the Secretary was instructed to write to the Director of that institution inquiring if Berlin desired to surrender its function as a nominating observatory.

The Treasurer reported that, under date of October 1, 1913, three Sunset bonds owned by the Society had been called in, the price paid for same being 105 and the amount realized in cash being \$3,150.

On motion of Director TOWNLEY, seconded by Director CORNISH and unanimously carried, the Finance Committee was authorized to re-invest this sum in approved bonds and allot same to the respective funds affected by the surrender of the Sunset bonds.

On motion of Director TOWNLEY, Mr. F. E. BRASCH was unanimously elected a member of the Society.

The following report of the Committee on the Comet-Medal was received and placed on file:—

(SEVENTY-EIGHTH) AWARD OF THE DONOHUE COMET-MEDAL.

The Comet-Medal of the Astronomical Society of the Pacific has been awarded to Monsieur A. SCHAUHASSE, of Nice, France, for the discovery of an unexpected comet on May 6, 1913.

Committee on the Comet-Medal:

W. W. CAMPBELL,
S. D. TOWNLEY,
H. D. CURTIS.

(SEVENTY-NINTH) AWARD OF THE DONOHUE COMET-MEDAL.

The Comet-Medal of the Astronomical Society of the Pacific has been awarded to Rev. J. H. METCALF, of Taunton, Massachusetts, for the discovery of an unexpected comet on September 1, 1913.

Committee on the Comet-Medal:

W. W. CAMPBELL,
S. D. TOWNLEY,
H. D. CURTIS.

(EIGHTIETH) AWARD OF THE DONOHUE COMET-MEDAL.

The Comet-Medal of the Astronomical Society of the Pacific has been awarded to Monsieur G. NEUJMIN, of Simeis, Russia, for the discovery of an unexpected comet on September 3, 1913.

Committee on the Comet-Medal:

W. W. CAMPBELL,
S. D. TOWNLEY,
H. D. CURTIS.

Adjourned.

D. S. RICHARDSON,
Secretary.

MINUTES OF THE MEETING OF THE ASTRONOMICAL SOCIETY OF
THE PACIFIC HELD NOVEMBER 29, 1913, AT 8:00 P. M.,
AT CHABOT OBSERVATORY, OAKLAND, CAL.

Vice-President R. G. AITKEN presiding.

Dr. AITKEN made a brief opening address and introduced Mr. CHARLES BURCKHALTER, who made the announcement that the Board of Education of the City of Oakland had decided to remove the observatory to a more favorable location, and that it had been decided by the City of Oakland to secure a 20-inch telescope.

Mr. AMBROSE SWASEY, of the firm of Warner & Swasey of Cleveland, Ohio, was introduced and made a few remarks in reference to the construction of telescopes and astronomical instruments and made special reference to the 72-inch equatorial telescope now being constructed for the Dominion of Canada.

Mr. JOHN A. BRASHAR, the distinguished scientist and lens-maker of Pittsburg, Penn., was then introduced and made an extended and very interesting address on the subject of casting and polishing of telescopic lenses. At the close of his address a vote of thanks was tendered to him for appearing before the Society.

At the close of the meeting Mr. BURCKHALTER invited all present to visit the observatory, where a very fine view of the rings of *Saturn* was observed through the 8-inch equatorial telescope.

D. S. RICHARDSON,
Secretary.